



PTO/SB/08A (10-01)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 32

Complete if Known

Application Number	10/828,548
Filing Date	April 19, 2004
First Named Inventor	Schenk
Art Unit	1649
Examiner Name	Lyles, Johnalyn D
Attorney Docket Number	15270J-004747US

U.S. PATENT DOCUMENTS

Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DK	578	6,875,434	04-05-2005	Schenk	
	577	6,866,849	03-15-2005	Schenk	
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	405	6,399,314 B1	06-04-2002	Krishnamurthy	

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Sheet 2 of 32

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Application Number	10/828,548
Filing Date	April 19, 2004
First Named Inventor	Schenk
Art Unit	1649
Examiner Name	Lyles, Johnalyn D
Attorney Docket Number	15270J-004747US

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	416	6,303,567 B1	10-16-2001	Findels et al.	
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	353	5,824,322	10-20-1998	Balasubramanian	
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James E. Kohn

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Sheet 3 of 32

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Application Number	10/828,548
Filing Date	April 19, 2004
First Named Inventor	Schenk
Art Unit	1649
Examiner Name	Lyles, Johnalyn D
Attorney Docket Number	15270J-004747US

JK	12	5,786,180	07-28-1998	Konig et al.	
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	543	5,278,049	01-11-1994	Baker et al.	
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Sheet 4 of 32

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Application Number	10/828,548
Filing Date	April 19, 2004
First Named Inventor	Schenk
Art Unit	1649
Examiner Name	Lyles, Johnalyn D
Attorney Docket Number	15270J-004747US

DK	284	5,231,170	07-27-1993	Averback	
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U.S. PATENT APPLICATIONS

Examiner	Cite No. ¹	Document Number Number Kind Code ² (if known)	Filing Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DK	296	60/254,465	12-08-2000	Holtzman et al.	
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	282	60/169,687	12-08-1999	Chain	
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DK	283	09/441,140	11-16-1999	Solomon et al.	

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Examiner Initials ^a	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD- YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ^o
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
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Sheet 5 of 32

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Application Number 10/828,548
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First Named Inventor Schenk
Art Unit 1649
Examiner Name Lyles, Johnalyn D
Attorney Docket Number 15270J-004747US

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588	WO	03/077858	A2, A3	09-25-2003		
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341	WO	02/03911	A2	01-17-2002		
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Art Unit	1649
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Attorney Docket Number	15270J-004747US

DK	294	WO	01/62801	A2	08-30-2001			
	301	WO	01/62284	A2	08-30-2001			
	298	WO	01/42306	A2	06-14-2001			
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	54	WO	99/60021	A2	11-15-1999			
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	57	WO	99/27949	A1	06-10-1999			
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	520	WO	98/22120	A1	05-28-1998			
	530	WO	98/08868	A1	03-05-1998			
	61	WO	98/07850	A2	02-26-1998			
	521	WO	98/05350	A1	02-12-1998			
	525	WO	98/02462	A1	01-22-1998			
	527	WO	97/32017	A1	09-04-1997			
	202	WO	97/21728	A1	06-19-1997			
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First Named Inventor	Schenk
Art Unit	1649
Examiner Name	Lyles, Johnalyn D
Attorney Docket Number	15270J-004747US

DK	383	WO	97/10505	A1	03-20-1997		
	528	WO	97/08320	A1	03-08-1997		
	63	WO	96/39176	A1	12-12-1996		
	532	WO	96/37621	A2	11-28-1996		
	208	WO	96/28471	A1	09-19-1996		
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	65	WO	96/18900	A1	06-20-1996		
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	68	WO	95/11311	A1	04-27-1995		
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	70	WO	95/04151	A2	02-09-1995		
	201	WO	94/28412	A1	12-08-1994		
	517	WO	94/05311	A1	03-17-1994		
	71	WO	94/03615	A1	02-17-1994		
	72	WO	94/01772	A1	01-20-1994		
	73	WO	93/21950	A1	11-11-1993		
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	85	WO	90/12871	A1	11-01-1990		
	86	WO	90/12870	A1	11-01-1990		

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Sheet 8 of 32

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Application Number	10/828,548
Filing Date	April 19, 2004
First Named Inventor	Schenk
Art Unit	1649
Examiner Name	Lyles, Johnalyn D
Attorney Docket Number	15270J-004747US

DK	89	WO	89/06689	A1	07-27-1989			
	88	WO	89/06242	A1	07-13-1989			
	90	WO	89/03687	A1	05-05-1989			
	87	WO	89/01343	A1	02-23-1989			
✓	91	WO	88/10120	A1	12-29-1988			

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Sheet 9 of 32

Complete if Known

Application Number	10/828,548
Filing Date	April 19, 2004
First Named Inventor	Schenk
Art Unit	1649
Examiner Name	Lyles, Johnalyn D.
Attorney Docket Number	15270J-004747US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
DK	391	AGUZZI et al., "Prion research: the next frontiers," <u>Nature</u> , 389:795-798 (1997).	
	372	AKIYAMA et al., "Occurrence of the Diffuse Amyloid β -Protein (A β) Deposits With Numerous A β -Containing Glial Cells in the Cerebral Cortex of Patients With Alzheimer's Disease," <u>Glia</u> , 25:324-331 (1999).	
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	228	BARROW et al., "Solution Conformations and aggregational Properties of Synthetic Amyloid Beta-Peptides of Alzheimer's Disease. Analysis of Circular Dichroism Spectra," <u>J. Mol. Biol.</u> , 225(4):1075-1093 (1992).	
	96	BAUER et al., "Interleukin-6 and α -2-macroglobulin indicate an acute-phase state in Alzheimer's disease cortices," <u>FEBS Letters</u> , 285(1):111-114 (1991).	<input type="checkbox"/>

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Sheet 10 of 32

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Application Number	10/828,548
Filing Date	April 19, 2004
First Named Inventor	Schenk
Art Unit	1649
Examiner Name	Lyles, Johnalyn D.
Attorney Docket Number	15270J-004747US

DK	239	BEASLEY, "Alzheimer's traced to proteins caused by aging," Reuters, April 20, 2001 7:56 PM ET.	
	561	BELLOTTI et al., "Application of Monoclonal Anti-Idiotypes in the Study of AL Amyloidosis: Therapeutic Implications," <u>Renal Failure</u> , 15(3):365-371 (1993).	
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		Filing Date	April 19, 2004
		First Named Inventor	Schenk
		Art Unit	1649
		Examiner Name	Lyles, Johnalyn D.
Sheet 11 of 32	Attorney Docket Number	15270J-004747US	

DK	461	BURDICK et al., "Assembly and aggregation properties of synthetic Alzheimer's A β amyloid peptide antigens," <u>J. Biol. Chem.</u> , 267:546-555 (1992).	
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Examiner Signature		Date Considered	1/6/06
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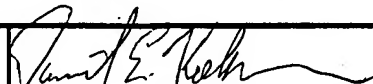
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Application Number	10/828,548
Filing Date	April 19, 2004
First Named Inventor	Schenk
Art Unit	1649
Examiner Name	Lyles, Johnalyn D.
Attorney Docket Number	15270J-004747US

DK	509	CIRRITO et al., "Amyloid β and Alzheimer disease therapeutics: the devil may be in the details," <u>J. Clin. Invest.</u> , 112:321-323 (2000).	
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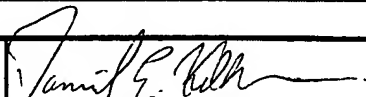
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Sheet 13 of 32

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Application Number	10/828,548
Filing Date	April 19, 2004
First Named Inventor	Schenk
Art Unit	1649
Examiner Name	Lyles, Johnalyn D.
Attorney Docket Number	15270J-004747US

DK	436	DICKSON et al., "Neuroimmunology of Alzheimer's disease: a conference report," <u>Neurobiology of Aging</u> , 13(6):793-798 (1992), abstract only	
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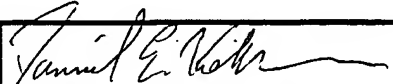
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				Filing Date	April 19, 2004
				First Named Inventor	Schenk
				Art Unit	1649
				Examiner Name	Lyles, Johnalyn D.
Sheet	14	of	32	Attorney Docket Number	15270J-004747US

DK	328	FELSENSTEIN et al., "Transgenic Rat and In-Vitro Studies of B-Amyloid Precursor Protein Processing," <i>Alzheimer's and Parkinson's Diseases</i> , Hanin et al. Ed., pp 401-409, Plenum Press, New York, (1995).	
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Examiner Signature		Date Considered	1/6/06
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**INFORMATION DISCLOSURE
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Sheet 15 of 32

Complete If Known

Application Number	10/828,548
Filing Date	April 19, 2004
First Named Inventor	Schenk
Art Unit	1649
Examiner Name	Lyles, Johnalyn D.
Attorney Docket Number	15270J-004747US

DK	244	FRENKEL, et al., "Modulation of Alzheimer's β -amyloid neurotoxicity by site-directed single chain antibody," <u>J. of Neuroimmunology</u> , 106:23-31 (2000).	
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Sheet 16 of 32

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Application Number	10/828,548
Filing Date	April 19, 2004
First Named Inventor	Schenk
Art Unit	1649
Examiner Name	Lyles, Johnalyn D.
Attorney Docket Number	15270J-004747US

DK	114	GLENNER et al., "Alzheimer's Disease and Downs Syndrome: Sharing of A Unique Cerebrovascular Amyloid Fibril Protein," <u>Biochem. Biophys. Res. Comm.</u> , 122(3): 1131-1135 (1984).	
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		Filing Date	April 19, 2004
		First Named Inventor	Schenk
		Art Unit	1649
		Examiner Name	Lyles, Johnalyn D.
Sheet 17 of 32	Attorney Docket Number	15270J-004747US	

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Examiner Signature		Date Considered	1/6/06
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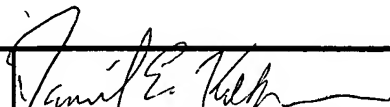
Sheet 18

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Complete If Known

Application Number	10/828,548
Filing Date	April 19, 2004
First Named Inventor	Schenk
Art Unit	1649
Examiner Name	Lyles, Johnalyn D.
Attorney Docket Number	15270J-004747US

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		Application Number	10/828,548		
		Filing Date	April 19, 2004		
		First Named Inventor	Schenk		
		Art Unit	1649		
		Examiner Name	Lyles, Johnalyn D.		
Sheet	19	of	32	Attorney Docket Number	15270J-004747US

216	JOACHIM et al., "Antibodies to Non-beta Regions of the Beta-amyloid Precursor Protein Detect a Subset of Senile Plaques," <u>Am. J. of Pathology</u> , 138:373-384 (1991).
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Sheet 20 of 32

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Application Number	10/828,548
Filing Date	April 19, 2004
First Named Inventor	Schenk
Art Unit	1649
Examiner Name	Lyles, Johnalyn D.
Attorney Docket Number	15270J-004747US

DK	494	KOTILINEK et al., "Reversible memory loss in a mouse transgenic model of Alzheimer's disease," <u>J. Neurosci.</u> , 22(15):6331-6335 (2002).
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		Filing Date	April 19, 2004
		First Named Inventor	Schenk
		Art Unit	1649
		Examiner Name	Lyles, Johnalyn D.
Sheet 21 of 32	Attorney Docket Number	15270J-004747US	

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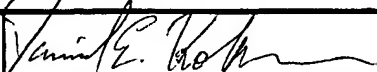
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/828,548
		Filing Date	April 19, 2004
		First Named Inventor	Schenk
		Art Unit	1649
		Examiner Name	Lyles, Johnalyn D.
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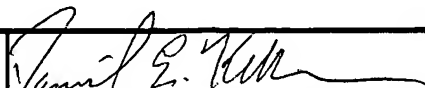
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DK	460	QUEEN et al., "A humanized antibody that binds to the interleukin 2 receptor," <u>PNAS</u> , 86:10029-10033 (1989).	
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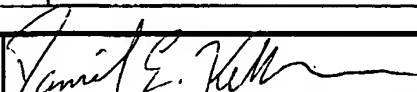
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First Named Inventor	Schenk
Art Unit	1649
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DK	178	SCHENK et al., "Therapeutic Approaches Related to Amyloid- β Peptide and Alzheimer's Disease," <u>J. Med. Chem.</u> , 38(21):4141-4154 (1995).	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/828,548
		Filing Date	April 19, 2004
		First Named Inventor	Schenk
		Art Unit	1649
		Examiner Name	Lyles, Johnalyn D.
Sheet 28 of 32	Attorney Docket Number	15270J-004747US	

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Examiner Signature	<i>Janet E. Kell</i>	Date Considered	1/6/06
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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

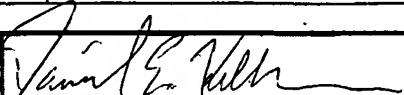
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		Filing Date	April 19, 2004
		First Named Inventor	Schenk
		Art Unit	1649
		Examiner Name	Lyles, Johnalyn D.
Sheet 29 of 32	Attorney Docket Number	15270J-004747US	

DK	435	STERN et al., "Antibodies to the β -amyloid peptide cross-react with conformational epitopes in human fibrinogen subunits from peripheral blood," <u>FEBS Letters</u> , 264(1):43-47 (1990).	
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Examiner Signature		Date Considered	1/6/06
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		Filing Date	April 19, 2004
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		Art Unit	1649
		Examiner Name	Lyles, Johnalyn D.
Sheet 30 of 32	Attorney Docket Number	15270J-004747US	

DK	276	TJERNBERG et al., "Arrest of β -amyloid fibril formation by a pentapeptide ligand," <u>J. Biol. Chem.</u> , 271:8545-8548 (1996).	
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Examiner Signature	<i>Vanita E. Vell...</i>	Date Considered	1/6/06
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		Filing Date	April 19, 2004
		First Named Inventor	Schenk
		Art Unit	1649
		Examiner Name	Lyles, Johnalyn D.
Sheet 31 of 32	Attorney Docket Number	15270J-004747US	

DK	274	WEINER et al., "Nasal administration of amyloid- β peptide decreases cerebral amyloid burden in a mouse model of Alzheimer's disease," <u>Annals of Neurology</u> , 48:567-579 (2000).	
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✓	275	WU, et al., "Drug targeting of a peptide radiopharmaceutical through the primate blood-brain barrier in vivo with a monoclonal antibody to the human insulin receptor," <u>J. Clin. Invest.</u> , 100:1804-1812 (1997).	

Examiner Signature	<i>Jamie E. Kell</i>	Date Considered	1/6/06
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		Application Number	10/828,548		
		Filing Date	April 19, 2004		
		First Named Inventor	Schenk		
		Art Unit	1649		
		Examiner Name	Lyles, Johnalyn D.		
Sheet	32	of	32	Attorney Docket Number	15270J-004747US

DK	567	WU et al., "An Analysis of the Sequences of the Variable Regions of Bence Jones Proteins and Myeloma Light Chains and their Implications for Antibody Complementarity", <u>J. Exp. Med.</u> , 132:211-250 (1970).	
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Examiner Signature		Date Considered	1/6/06
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PTO/SB/08A (10-01)
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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/828,548
		Filing Date	April 19, 2000
		First Named Inventor	Schenk, Dale B.
		Art Unit	1814
		Examiner Name	Not yet assigned
Sheet 1 of 1	Attorney Docket Number	15270J-004746US	

U.S. PATENT DOCUMENTS					
Examiner	Cite No.	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
DK	544	2003/0147882 A1	08-07-2003	Solomon	

FOREIGN PATENT DOCUMENTS							
Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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Sheet 1 of 1

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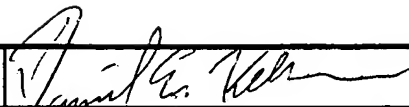
Application Number	10/828,548
Filing Date	April 19, 2000
First Named Inventor	Schenk, Dale B.
Art Unit	1614
Examiner Name	Not yet assigned
Attorney Docket Number	15270J-004746US

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		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
DK	447	WO	03/051374	A2	06-26-2004			

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				Art Unit	
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DK	380	US-2003/0073655	2003-04-17	Chain	

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